

IAPG Rec'd PCT/PTO 14 JUL 2006

## PATENT APPLICATION

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of

Docket No: Q95734

Akira NISHIYAMA, et al

Appln. No.: National Stage of PCT/JP2005/000575

Confirmation No.: Unknown

Group Art Unit: Unknown

Filed: July 14, 2006

Examiner: Unknown

For: PROCESSES FOR PRODUCING OPTICALLY ACTIVE 1-SUBSTITUTED 2-METHYLPYRROLIDINE AND INTERMEDIATE THEREFOR

**INFORMATION DISCLOSURE STATEMENT**  
**UNDER 37 C.F.R. §§ 1.97 and 1.98**

**MAIL STOP AMENDMENT**

Commissioner for Patents

P.O. Box 1450

Alexandria, VA 22313-1450

Sir:

In accordance with the duty of disclosure under 37 C.F.R. § 1.56, Applicant hereby notifies the U.S. Patent and Trademark Office of the documents which are listed on the attached PTO/SB/08 A & B (modified) form and/or listed herein and which the Examiner may deem material to patentability of the claims of the above-identified application.

One copy of each of the listed documents is submitted herewith, except for the following: U.S. patents and/or U.S. patent publications; and co-pending non-provisional U.S. applications filed after June 30, 2003.

The present Information Disclosure Statement is being filed: (1) No later than three months from the application's filing date; (2) Before the mailing date of the first Office Action on the merits (whichever is later); or (3) Before the mailing date of the first Office Action after

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filing a request for continued examination (RCE) under §1.114, and therefore, no Statement under 37 C.F.R. § 1.97(e) or fee under 37 C.F.R. § 1.17(p) is required.

In compliance with the concise explanation requirement under 37 C.F.R. § 1.98(a)(3) for foreign language documents, Applicant encloses herewith a copy of an English-language International Search Report from the International Searching Authority in the International Application citing such documents, including at least that portion of the International Search Report indicating the degree of relevance found by the International Searching Authority.

In compliance with the concise explanation requirement under 37 C.F.R. § 1.98(a)(3) for foreign language documents, Applicant submits the following explanations: Japanese Patent Application Publication No. 49-55629 A corresponds to U.S. 4,088,666 A1, U.S. 4,165,330 A1, and U.S. 4,156,603 A1.

The submission of the listed documents is not intended as an admission that any such document constitutes prior art against the claims of the present application. Applicant does not waive any right to take any action that would be appropriate to antedate or otherwise remove any listed document as a competent reference against the claims of the present application.

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The USPTO is directed and authorized to charge all required fees, except for the Issue Fee and the Publication Fee, to Deposit Account No. 19-4880. Please also credit any overpayments to said Deposit Account.

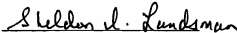
Respectfully submitted,

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Date: July 14, 2006

Substitute for Form 1449 A & B/PTO		Complete if Known	
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> (use as many sheets as necessary)		Application Number	National Stage of PCT/JP2005/000575
		Confirmation Number	Unknown
		Filing Date	July 14, 2006
		First Named Inventor	Akira NISHIYAMA
		Art Unit	Unknown
		Examiner Name	
Sheet	1	of	1
		Attorney Docket Number	Q95734

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. <sup>1</sup>	Document Number		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document
		Number	Kind Code <sup>2</sup> (if known)		
		US 4,088,666	A	05/09/1978	ARTHUR W. LANGER, JR., ET AL
		US 4,165,330	A	08/21/1979	THOMAS A. WHITNEY, ET AL
		US 4,156,603	A	05/29/1979	ARTHUR W. LANGER, JR., ET AL
		US			
		US			
		US			

FOREIGN PATENT DOCUMENTS							
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document			Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Translation <sup>6</sup>
		Country Code <sup>3</sup>	Number <sup>4</sup>	Kind Code <sup>5</sup> (if known)			
		JP	49-55629	A	05/30/1974	ESSO RESEARCH AND ENGINEERING CO.	

NON PATENT LITERATURE DOCUMENTS				
Examiner Initials <sup>4</sup>	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city, and/or country where published.	Translation <sup>6</sup>	
		THOMAS A. WHITNEY, ET AL, "ASYMMETRIC SYNTHESIS VIA LITHIUM CHELATES", ADVANCES IN CHEMISTRY SERIES, VOL. 130, 1974, PAGES 270-280		
		THOMAS A. WHITNEY, ET AL, "ASYMMETRIC SYNTHESIS VIA LITHIUM CHELATES", POLYMER PREPRINTS (AMERICAN CHEMICAL SOCIETY), VOL. 13, NO. 2, 1972, PAGES 688-692		
		A.B. LETUNOVA, ET AL, "PREPARATION OF $\gamma$ -ACETOPROPYL ALCOHOL FROM $\gamma$ -BUTYROLACTONE", KHMIRKO-FARMATSEVTICHESKII ZHURNAL, VOL. 11, NO. 12, 1977, PAGES 121-123	No	
		MAHN-JOO KIM, ET AL, "THE EFFICIENT RESOLUTION OF PROTECTED DIOLS AND HYDROXY ALDEHYDES BY LIPASES: STERIC AUXILIARY APPROACH AND SYNTHETIC APPLICATIONS", BIOORGANIC & MEDICINAL CHEMISTRY LETTERS, VOL. 6, NO. 1, 1996, PAGES 71-76		
		BENDICHT WERMUTH, "PURIFICATION AND PROPERTIES OF AN NADPH-DEPENDENT CARBONYL REDUCTASE FROM HUMAN BRAIN", RELATIONSHIP TO PROSTAGLANDIN 9-KETOREDUCTASE AND XENOBIOTIC KETONE REDUCTASE, "THE JOURNAL OF BIOLOGICAL CHEMISTRY", VOL. 256, NO. 3, 1981, PAGES 1206-1213		
		JOERG PETERS, ET AL, "A NOVEL NADH-DEPENDENT CARBONYL REDUCTASE WITH AN EXTREMELY BROAD SUBSTRATE RANGE FROM CANDIDA PARAPSILOSIS: PURIFICATION AND CHARACTERIZATION", ENZYME AND MICROBIAL TECHNOLOGY, VOL. 15, November 1993, PAGES 950-958		

Examiner Signature	/Robert Kelly/ (07/24/2008)	Date Considered	/Robert Kelly/ (07/24/2008)
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\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kind Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov), MPEP 901.04 or follow the hyperlink from the title of the document to the intranet. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST. 3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant is to indicate here if English language Translation is attached.